

ERRATA

Raphex 2020 Therapy

EXAM BOOKLET

T43, p. 9 “4 cm of lung tissue (density = 0.5 g/cc)” should be
“4 cm of lung tissue (density = 0.25 g/cc)”

T86, p. 20 “The CT consists of 250 slices, 512×512 pixels/slice, and 12-bit pixels.” should be
“The CT consists of 250 slices, 512×512 pixels/slice, and 16-bit pixels.”

ANSWER BOOKLET

T86, p. 10 Given the above correction from 12-bit to 16-bit pixels, the CT size formula in the answer booklet should read as follows:

$$\text{CT size} = 250 \text{ slices} \times \frac{512 \times 512 \text{ pixels}}{\text{slice}} \times \frac{16 \text{ bits}}{\text{pixel}} \times \frac{1 \text{ byte}}{8 \text{ bits}} \times \frac{1 \text{ MB}}{10^6 \text{ bytes}} = 98.3 \text{ MB}$$

It should be noted that the number of bytes can only be an integer. If the above CT image had 12-bit pixels, 16 bits (not 12 bits) should still be used in the above calculation to make the number of bytes an integer.

T121, p. 14 The correct answer is B, not A.